

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P252770

Luminaire Tested: **LE_6B15D010 EC6B10209024 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10209024 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1685.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

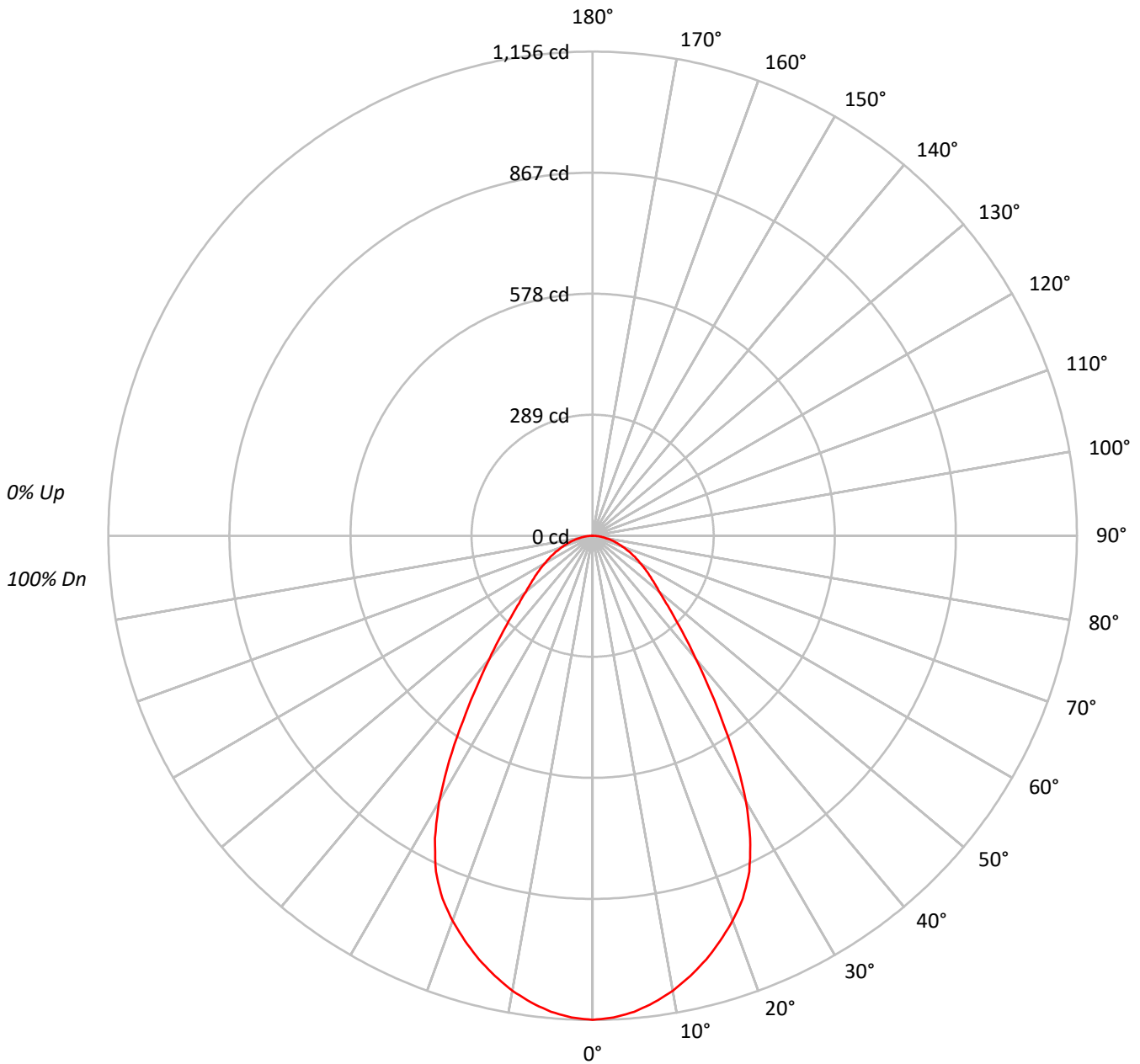
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75405
5°	74711
10°	73064
15°	70744
20°	67886
25°	63721
30°	55144
35°	42936
40°	32627
45°	25446
50°	21101
55°	18938
60°	17237
65°	15916
70°	14612
75°	13561
80°	12248
85°	11228



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	6.4
10°-20°	294.3	17.5
20°-30°	400.8	23.8
30°-40°	339.1	20.1
40°-50°	217.6	12.9
50°-60°	149.7	8.9
60°-70°	102.3	6.1
70°-80°	56.9	3.4
80°-90°	16.6	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	802.7	47.6
0°-40°	1141.9	67.8
0°-60°	1509.2	89.6
0°-90°	1685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1685.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1156	
5°	1141	108
15°	1047	294
25°	885	401
35°	539	339
45°	276	218
55°	166	150
65°	103	102
75°	54	57
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1155.8
2.5°	1151.2
5°	1140.8
7.5°	1124.0
10°	1102.9
12.5°	1076.4
15°	1047.4
17.5°	1013.9
20°	977.8
22.5°	937.2
25°	885.2
27.5°	814.8
30°	732.0
32.5°	636.9
35°	539.1
37.5°	453.6
40°	383.1
42.5°	324.1
45°	275.8
47.5°	237.9
50°	207.9
52.5°	185.0
55°	166.5
57.5°	148.9
60°	132.1
62.5°	117.1
65°	103.1
67.5°	89.0
70°	76.6
72.5°	64.2
75°	53.8
77.5°	43.1
80°	32.6
82.5°	23.8
85°	15.0
87.5°	6.1
90°	0.0



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— 0°-180°







(END OF REPORT)